



Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1798897	CAR VEHICULAR auto automotive automobile traffic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L2	86037	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L3	15774	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L4	44125	(target or object) same (discriminate discriminating discrimination discriminated discriminator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L5	1127	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L6	5191691	(radar adj cross section) or "RCS" or (radar adj cross-section)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L7	607	L5 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L8	573427	(intensity or power or amplitude or peak) same L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09

L9	248	L7 and L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L10	819635	human	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:09
L11	1	L9 and L10 and @pd>="20050307" and @ad<="20021210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:29
L12	3451	((342/70) or (342/71) or (342/72) or (342/27) or (342/28) or (342/90) or (342/159) or (342/162) or (342/192) or (342/195) or (342/196)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/09/01 16:29
L13	24	L12 and @pd>="20050307" and @ad<="20021210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L14	1798897	CAR VEHICULAR auto automotive automobile traffic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L15	86037	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L16	15774	L14 and L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31

L17	44125	(target or object) same (discriminate discriminating discrimination discriminated discriminator)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L18	1127	L16 and L17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L20	5191691	(radar adj cross section) or "RCS" or (radar adj cross-section)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L21	607	L18 and L20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L22	573427	(intensity or power or amplitude or peak) same L20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L23	248	L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L24	819635	human	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31
L25	73	L23 and L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:31

L26	1	L25 and @pd>="20050307" and @ad<="20021210"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/01 16:33
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# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

**SERIAL NUMBER**

10730270

## **EAST SEARCH**

EAST: search history attached

Search terms:

## **IEEE SEARCH**

Search terms: radar <and> (vehicular <or> automotive) <and> RCS

UPDATED SEARCH ABOVE 01 SEP 2005. FOUND NO NEW RELEVANT DOCUMENTS

Search terms: radar <and> (vehicular <or> automotive) <and> human

UPDATED SEARCH ABOVE 01 SEP 2005. FOUND THE FOLLOWING DOCUMENTS

- 1. A scanning lidar system for obstacle avoidance in automotive field**  
Najmi, A.; Mahrane, A.; Esteve, D.; Vialaret, G.  
Control Applications, 1994., Proceedings of the Third IEEE Conference on  
24-26 Aug 1994 Page(s):379 - 384 vol.1
- 2. Vehicle collision warning and avoidance system using real-time FFT**  
Flikkema, P.G.; Johnson, S.G.  
Vehicular Technology Conference, 1996. 'Mobile Technology for the Human Race',  
IEEE 46th  
Volume 3, 28 Apr-1 May 1996 Page(s):1820 - 1824 vol.3
- 3. A novel direct sequence spread spectrum automatic vehicle identification system**  
Hamant, B.; Kamali, B.  
Vehicular Technology Conference, 1996. 'Mobile Technology for the Human Race',  
IEEE 46th  
Volume 3, 28 Apr-1 May 1996 Page(s):1863 - 1867 vol.3
- 4. Intelligent technologies of Honda ASV**  
Kamiya, H.; Fujita, Y.; Tsuruga, T.; Nakamura, Y.; Matsuda, S.; Enomoto, K.  
Intelligent Vehicles Symposium, 1996., Proceedings of the 1996 IEEE  
19-20 Sep 1996 Page(s):236 - 241
- 5. Polarimetric radar measurements for vehicle control and warning applications**  
Li, E.S.; Sarabandi, K.  
Antennas and Propagation Society International Symposium, 1999. IEEE  
Volume 3, Aug 1999 Page(s):2004 - 2007 vol.3
- 6. Vehicle-type identification through automated virtual loop assignment and block-based direction-biased motion estimation**  
Lai, A.H.S.; Yung, N.H.C.  
Intelligent Transportation Systems, IEEE Transactions on  
Volume 1, Issue 2, Jun 2000 Page(s):86 - 97
- 7. Status and future direction of intelligent drive assist technology**  
Furukawa, Y.

Intelligent Transportation Systems, 2000. Proceedings. 2000 IEEE  
2000 Page(s):113 - 118

**8. Ground surveillance radar for perimeter intrusion detection**

Barry, A.S.; Czechanski, J.

Digital Avionics Systems Conferences, 2000. Proceedings. DASC. The 19th  
Volume 2, 2000 Page(s):7B5/1 - 7B5/7 vol.2

## INSPEC SEARCH

Search terms:

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	radar AND (vehicular OR automotive) AND (RCS OR human)	unrestricted	31	<a href="#">show titles</a>

INSPEC ~ 1969 to date (INZZ)

**Test systems for *automotive radar*.**

*Author(s)*

Abou-Jaoude-R; Grace-M.

*Source*

2000 IEEE 51st *Vehicular* Technology Conference. Proceedings. VTC2000-Springer, vol.1,  
Tokyo, Japan,  
15-18 May 2000.

In: p.492-5 vol.1, 2000.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Collision warning system technology.**

*Author(s)*

Schumacher-R-W; Olney-R-D; Wragg-R; Landau-F-H; Widmann-G-R.

*Source*

Proceedings of 2nd World Congress on Intelligent Transport Systems, vol.3, Yokohama, Japan,  
9-11 Nov.  
1995.

In: p.1138-45 vol.3, 1995.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**A method for accomplishing accurate RCS image in compact range.**

*Author(s)*

Ohshima-S; Asano-Y; Nishikawa-K.

*Source*

IEICE-Transactions-on-Communications (Japan), vol.E79-B, no.12, p.1799-805, Dec. 1996. ,  
Published:

Inst. Electron. Inf. & Commun. Eng.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Millimeter wave scattering characteristics and *radar* cross section measurements  
of common**

roadway objects.

*Author(s)*

Zoratti-P; Gilbert-R-K; Majewski-R; Ference-J.

*Source*

Collision Avoidance and Automated Traffic Management Sensors, Philadelphia, PA, USA,  
25-26 Oct. 1995.

Sponsors: SPIE.

In: Proceedings-of-the-SPIE-The-International-Society-for-Optical-Engineering (USA),  
vol.2592,  
p.169-79, 1995.

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1

## IP.COM SEARCH

Search terms:

**radar AND (vehicular OR automotive) AND (RCS OR human)**

Result # 1      Relevance: ○○○○○○

Synthetic-color night vision

12-Sep-2000

IPCOM000001578D

English (United States)

A synthetic color arrangement for a night vision inclusive surveillance system and its display is disclosed.  
The system partitions an input scene video signal into spectrally segregated scene components which are  
provided with separate processing as video signals and then ...

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Result # 2      Relevance: ○○○○○○

METHOD FOR ENHANCEMENT OF VEHICLE COLLISION AVOIDANCE SYSTEMS BY TRANSLATION OF EVENTS  
TO ALTERNATE HUMAN SENSES PF2118NA

2001-04-26

IPCOM000004744D

English (United States)

This paper describes the translation of vehicle events captured by a wireless Vehicle Collision Avoidance  
System (VCAS) into multiple different presentation mechanisms. The improvement allows audio cues and/or  
events to be turned into visual indicators, voice descriptions, ...